

# ABSTRACT

5           Generally spherical metal particles (1) consisting  
essentially of single crystal grains, having a mean  
particle size of 0.1 to 10  $\mu\text{m}$  are surface coated with an  
insulating or dielectric layer (2a or 2b) as by a spray  
pyrolysis process, and the coated metal particles are  
dispersed in a resin to form a composite magnetic or  
10 dielectric material. The composite magnetic material is  
highly insulating, easy to prepare, free of corrosion and  
has improved high-frequency characteristics and  
withstanding voltage. The composite dielectric material  
has a high dielectric constant even at a reduced content of  
15 dielectric. There are also provided a molding material,  
powder compression molding material, paint, prepreg, and  
substrate.